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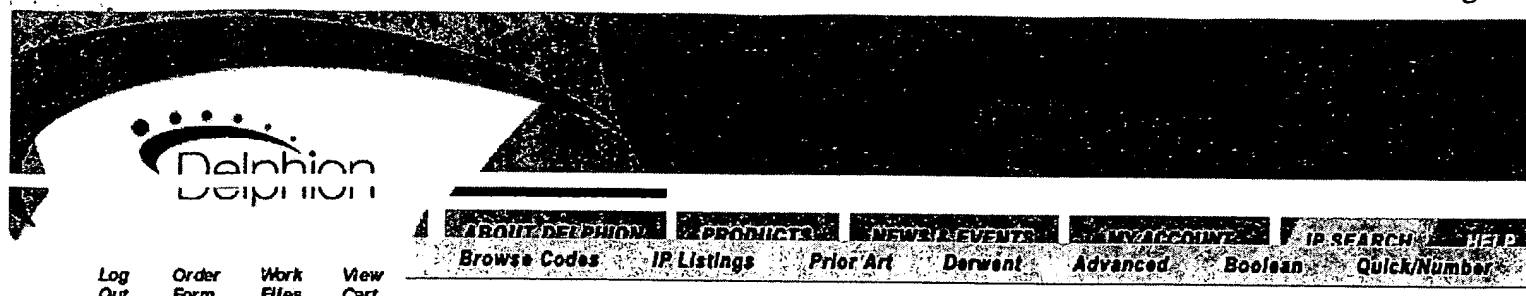
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Title: **JP56162474A2: PREPARATION OF ORGANIC ELECTROLYTE BATTERY**
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Country: **JP Japan**
 Kind: **A**

Inventor(s): **TAKEMORI MASAMI**
YOKOYAMA KENICHI

Applicant/Assignee: **HITACHI MAXELL LTD**
 News, Profiles, Stocks and More about this company



Issued/Filed Dates: **Dec. 14, 1981 / May 20, 1980**

Application Number: **JP1980000066720**

IPC Class: **H01M 4/08;**

Priority Number(s): **May 20, 1980 JP1980000066720**

Abstract: **Purpose:** When a battery is produced using lithium as cathode active material, to increase the operational voltage under low temperature and heavy and load discharging by removing oils on a lithium thin sheet through washing with an organic solvent and drying under vacuum.



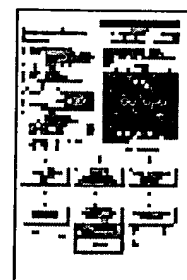
Constitution: A lithium plate stored in kerosene is taken out from the kerosene, rolled to a thin sheet using liquid paraffin as a lubricant, punched circularly, and soaked in n-hexane for 2 to 5 seconds. It is placed in a vacuum dryer and evacuated to evaporate the n-hexane on the lithium surface, and thus oils on the lithium surface is removed. Then it is combined in a battery to form the battery. The reduction of the operational voltage at low temperature and heavy load discharging due to the oils on the lithium surface is prevented, and the battery performance can be improved greatly.
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► See a clear and precise summary of the whole patent, in understandable terms.

Family: Show known family members

Other Abstract Info: **CHEMABS 096(14)112275G**

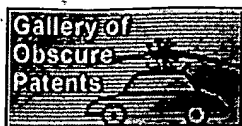
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(11) Publication number:

56162474 A

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PATENT ABSTRACTS OF JAPAN(21) Application number: **55066720**(51) Intl. Cl.: **H01M 4/08**(22) Application date: **20.05.80**

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publication: **14.12.81**(84) Designated contracting
states:(71) Applicant: **HITACHI MAXELL LTD**(72) Inventor: **TAKEMORI MASAMI**
YOKOYAMA KENICHI

(74) Representative:

**(54) PREPARATION OF
ORGANIC ELECTROLYTE
BATTERY**

(57) Abstract:

PURPOSE: When a battery is produced using lithium as cathode active material, to increase the operational voltage under low temperature and heavy and load discharging by removing oils on a lithium thin sheet through washing with an organic solvent and drying under vacuum.

CONSTITUTION: A lithium plate stored in kerosene is taken out from the kerosene, rolled to a thin sheet using liquid paraffin as a lubricant, punched circularly, and soaked in n-hexane for 2 to 5 seconds. It is placed in a vacuum dryer and evacuated to evaporate the n-hexane on the lithium surface, and thus oils on the lithium surface is removed. Then it is combined in a battery to form the battery. The reduction of the operational voltage at low temperature and heavy load discharging due to the oils on the lithium surface is prevented, and the battery performance can be improved greatly.

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